Building Facades

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Description

- Title 24 to include building facade LPD limits.
- LPD maximums may vary by four environmental zones.
- LPD may be based on ETAL procedure.
- May include lighting controls during day and curfew hours.



Benefit

Save electric energy and demand.



Enforcement Mechanism

- Implemented as part of Title 24 building energy efficiency standards.
- May include mandatory shielding requirements.
- May include lighting controls (daytime and curfew) for environmental zones.
- Prescriptive requirement may set maximum lighting power density limits.



Performance Verification

- Needed for any lighting controls and luminaire shielding requirements.
- Lighting controls require calibration such that lighting equipment is energized only from dusk to curfew or dawn.
- Ensure security lighting is only energized during designated hours.



Cost Effectiveness

- Models may develop maximum LPD demonstrated for each environmental zone using IESNA or ETAL procedures.
- Limits on disability and discomfort glare may be assumed for each model.